

CLAIMS

I claim:

- 1 1. A system comprising:
2 a satellite communication subsystem;
3 a wireless local area network (LAN) that includes at least one
4 computer; and
5 a mobile unit configured to transfer broadband information as a
6 single nomadic transmission/reception point between the satellite
7 communication subsystem and the wireless LAN using an ethernet
8 packet switching protocol.
- 1 2. The system defined Claim 1 wherein the broadband
2 information comprises data.
- 1 3. The system defined Claim 1 wherein the broadband
2 information comprises audio and image data, such that the subsystem,
3 wireless LAN and mobile hub transfer broadband audio and image data.
- 1 4. The system defined Claim 1 wherein the information is
2 transferred using the TCP/IP protocol.

1 5. (New) The system defined Claim 1 wherein the wireless
2 LAN comprises a plurality of nodes with at least one personal computer
3 at each of the plurality of nodes.

1 6. The system defined Claim 1 wherein the mobile unit
2 comprises an uplink to the satellite communication subsystem.

1 7. The system defined Claim 1 wherein the mobile hub
2 comprises a server to control the relaying of information.

1 8. The system defined Claim 1 wherein the mobile unit
2 comprises a workstation viewing environment.

1 9. The system defined in Claim 1 wherein the mobile unit
2 comprises a vehicle.

1 10. A system comprising:
2 a satellite communication subsystem to operate as a secured
3 private intranet to transfer broadband information using a ethernet
4 packet switching protocol;
5 a wireless local area network (LAN) to transfer information using
6 the ethernet packet protocol, wherein the wireless LAN comprises a
7 plurality of nodes with an individual computer at each of the plurality of

8 nodes; and
9 a mobile unit to transfer broadband information as a single
10 nomadic transmission/reception point between the satellite
11 communication system and the wireless LAN.

1 11. The system defined Claim 10 wherein the broadband
2 information comprises data.

1 12. The system defined Claim 10 wherein the broadband
2 information comprises audio and image data, such that the subsystem,
3 wireless LAN and mobile hub transform broadband audio and image
4 data.

1 13. A telecomputer network system comprising:
2 a satellite communications system;
3 a wireless local area network (LAN); and
4 a mobile hub station configured to transfer information as a single
5 nomadic transmission/reception point between the satellite
6 communication system and the wireless LAN, such that information is
7 transferred over the network using ethernet packet switching protocol.
8

1 14. The network defined Claim 13 wherein the satellite

2 communication system operates as a secured private intranet.

1 15. The network defined Claim 13 wherein the information is
2 transferred using the TCP/IP protocol.

1 16. The network defined Claim 13 wherein the wireless LAN
2 comprises a plurality of nodes with at least one personal computer at
3 each of the plurality of nodes.

1 17. The network defined Claim 13 wherein the satellite
2 communication system comprises a network operations center, a
3 plurality of hubs, wherein each hub comprises a wireless router and a
4 relay station to relay information between hubs.

1 18. The network defined Claim 13 wherein the mobile hub
2 station comprises an uplink to the satellite communication system.

1 19. The network defined Claim 13 wherein the mobile hub
2 station is configured to relay information between the wireless LAN and
3 the satellite communication system, and comprises a server to control
4 the relaying of information.

1 20. The network defined Claim 13 wherein the mobile hub

2 station comprises a workstation viewing environment.

1 21. The network defined in Claim 13 wherein the mobile hub
2 station comprises a vehicle or a portable field unit.

1 22. A telecomputer network comprising:
2 a wireless wide area network (WAN) comprising a redundant
3 satellite communication system configured to operate as a intranet;
4 a wireless local area network (LAN), wherein the wireless LAN
5 comprises a plurality of nodes with an individual personal computer at
6 each of the plurality of nodes; and
7 a mobile vehicle or portable field unit configured to transfer
8 information as a single nomadic transmission/reception point between
9 the satellite communication system and the wireless LAN, wherein
10 transfers of information over the network using the TCP/IP protocol.

1 23. The network defined Claim 22 wherein the wireless WAN
2 operates as a private intranet.

1 24. The network defined Claim 22 wherein the satellite
2 communication system comprises a plurality of hubs, wherein each hub
3 comprises a wireless router and a satellite transmission/reception system
4 to relay information between hubs.

1 25. The network defined Claim 22 wherein the mobile vehicle
2 comprises an uplink to the satellite communication system.

1 26. The network defined Claim 22 wherein the mobile vehicle
2 is configured to relay information between the wireless LAN and the
3 satellite communication system, and comprises a server to control the
4 relaying of information.

1 27. The network defined Claim 22 wherein the mobile vehicle
2 comprises a workstation viewing environment.

1 28. A telecomputer network comprising:
2 a satellite communication system configured to operate as a
3 secured private intranet to transfer information using a ethernet packet
4 switching protocol;
5 a wireless local area network (LAN) configured to transfer
6 information using the ethernet packet protocol, wherein the wireless
7 LAN comprises a plurality of nodes with an individual personal
8 computer at each of the plurality of nodes; and
9 a plurality of mobile vehicles, or portable field units wherein each
10 mobile vehicle or portable field unit is configured to transfer information
11 as a single nomadic transmission/reception point between the satellite

28

09247632-123193

12 communication system and the wireless LAN.

09217682-122198

29